SWIM Connect 2015

Industry Use of SWIM Today and Plans for the Future

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CEO, Snowflake Software Inc.

Daniel Baker
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Anuja Verma
The MITRE Corporation
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Jeri Groce, Moderator
FAA, SWIM Program Manager

Date: November 2 2015

Federal Aviation Administration

Nadine Alameh, Ph.D.

CEO, Snowflake Software Inc.

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SNOWFLAKE SOFTWARE

Enabling data exchange in the Aviation Industry

– Award-winning on-premise and cloud-based solutions

– Loading, managing, and sharing aeronautical data

– Reducing complexity, cost and development timeframes

– Built on international standards and mainstream IT technologies

SWIM Feature

- Use of International Standards
- Open access to data
- Enabling information exchange

Industry Benefit

- Lower barriers to entry
- Accelerated innovation
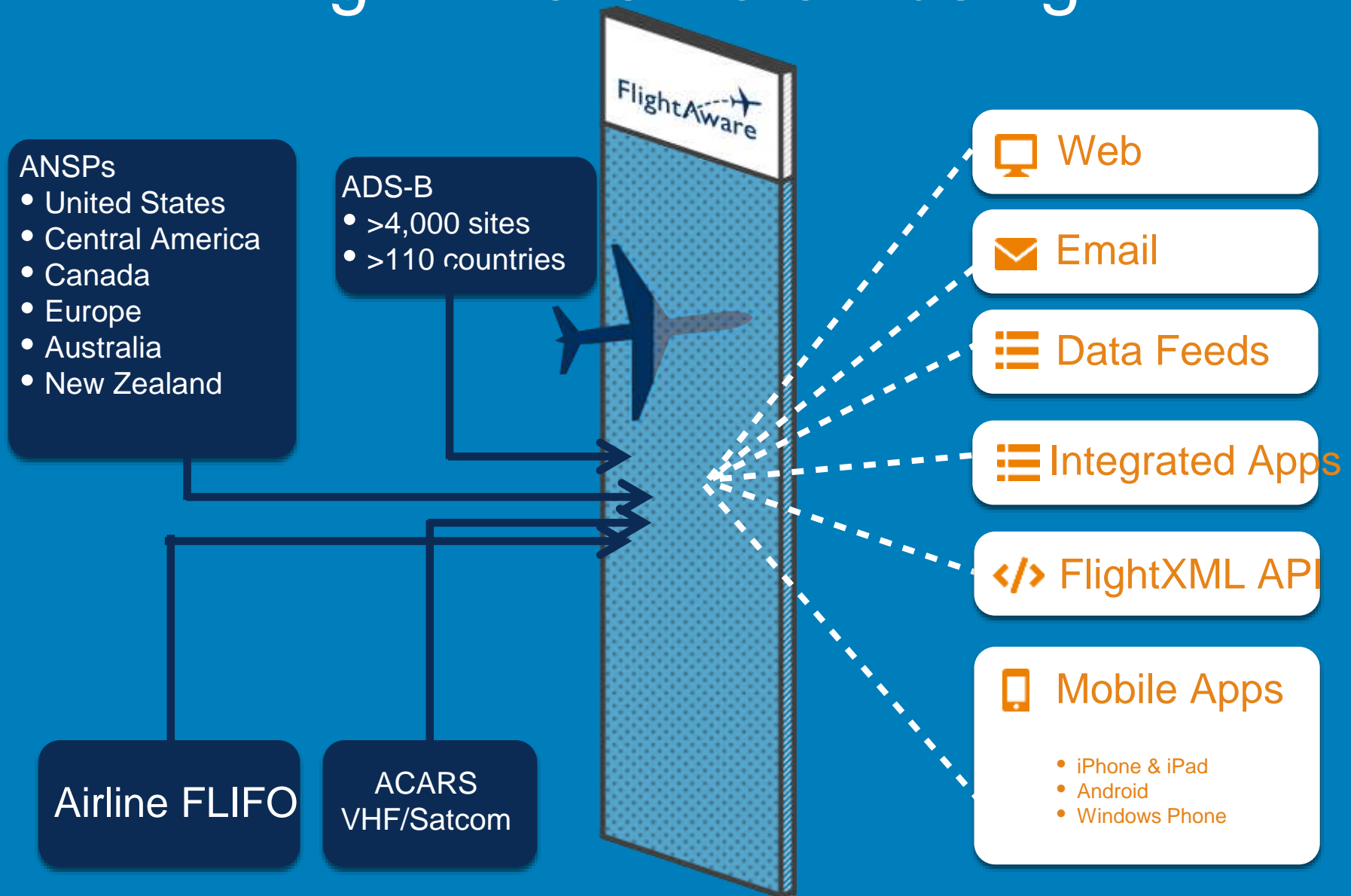- Increased international collaboration

Daniel Baker
CEO, FlightAware

About FlightAware - Overview

- Flight tracking service and data provider to airlines, business aviation, cargo, airline service providers, military

- Fusing data from over 50 disparate sources around the world, turning raw data into decision making tools.

- 15,000 commercial customers, >10,000,000 consumer users

- Customers include ARINC, United Airlines, SITA, Singapore Airlines

- Largest aviation site in the world (>300MM page views/mo)

- 50 employees at offices in Houston and New York City

- Data centers in Houston, Washington, San Francisco, New York, Dallas, London, Amsterdam, Singapore, and Hong Kong

FlightAware

FlightAware Data Fusing

ANSPs
- United States
- Central America
- Canada
- Europe
- Australia
- New Zealand

ADS-B
- >4,000 sites
- >110 countries

Airline FLIFO

ACARS VHF/Satcom

Web

Email

Data Feeds

Integrated Apps

FlightXML API

Mobile Apps
- iPhone & iPad
- Android
- Windows Phone

FlightAware

About FlightAware - Fusing Data

- Parsing over 50 disparate data feeds from government and private sector

- Accepting data out of order

- Determining the most accurate source

- Finding and eliminating or reducing errors

- Outputting comprehensive flight tracking data

FlightAware

Next-Generation Flight Tracking

MITRE's Participation in SWIM

Anuja Verma
The MITRE Corporation
Center for Advanced Aviation System Development

Understanding Federally Funded Research and Development Centers (FFRDCs)

objectivity & independence

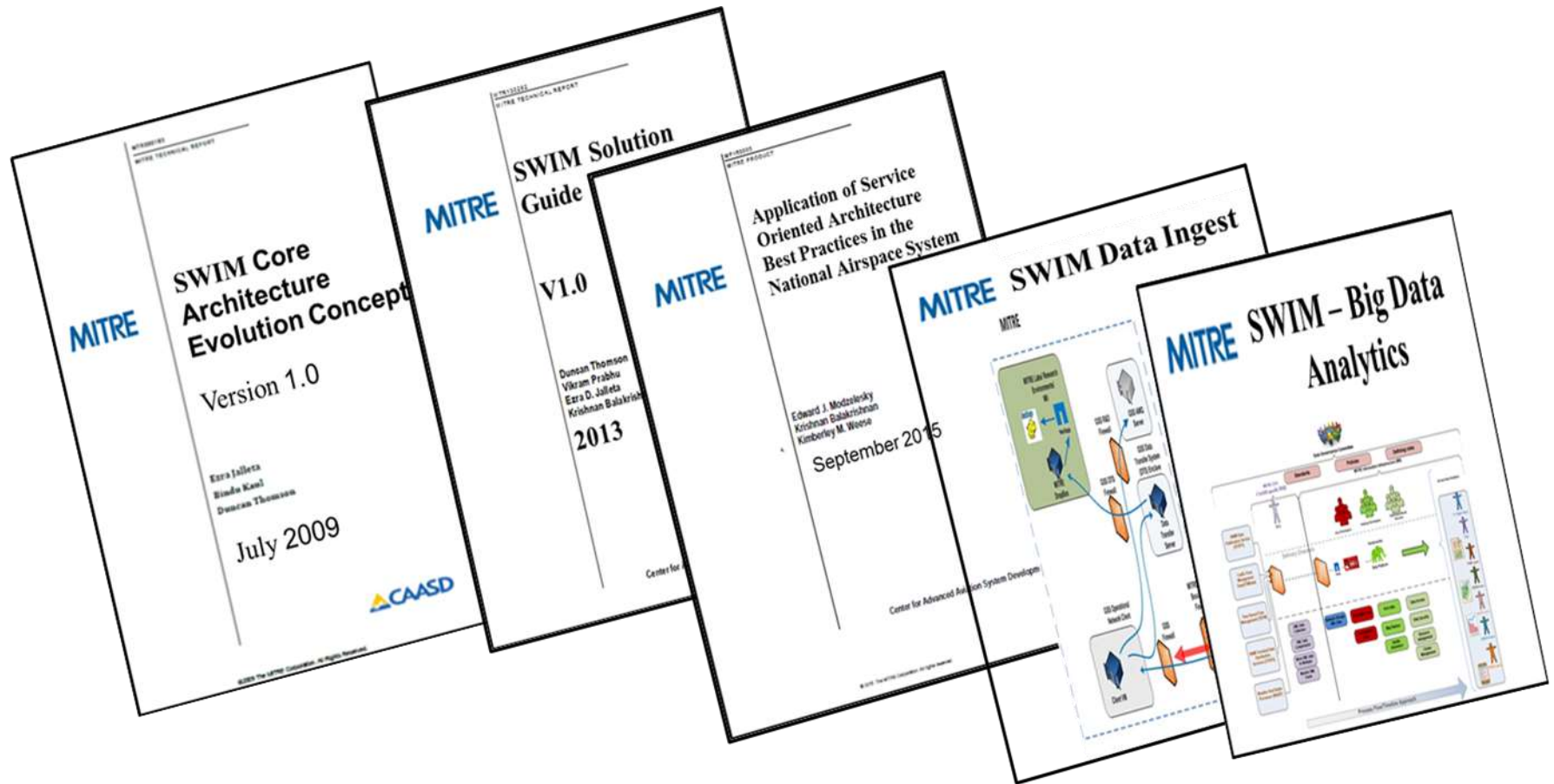public interest

long-term relationship

strategic partner

Serve as channels of expertise to advance government missions

MITRE's Center for Advanced Aviation System Development (CAASD) is the FAA's FFRDC

Our mission is to serve the public interest by advancing the **safety, security, effectiveness, and efficiency** of aviation **in the United States and around the world** by conducting a continuing program of research, development, and engineering **in collaboration with the aviation community**

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MITRE's Participation in SWIM

MITRE has been involved with SWIM since its inception
Now, we are also consumers of SWIM data

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